Q caloric 5.5

Maximum radio transmission performance.

For even greater flexibility!

The new Q caloric 5.5 heat cost allocator

The Q caloric 5.5 is the optimised successor to the tried and tested Q caloric 5 model. This electronic device records the heat emission of radiators and features significantly improved radio transmission performance. Thanks to the implementation of C-Mode operation it has been possible to double the **radio transmission range** within the building.*

A further new feature of the Q caloric 5.5 model is the flexible readout times it enables. Instead of 48 possible days in the case of its predecessor, the new heat cost allocator enables readouts **365 days a year.** This means that metering services using the Q walk-by system are no longer tied to specific time windows during the year. As a result they have more flexibility in planning their recording of consumption data and the billing of energy costs.

Meter reading can be implemented both on site and in mobile form, because parallel to walk-by wireless telegrams Q caloric 5.5 also sends AMR telegrams. In C-Mode operation the AMR telegrams meet 'Open Metering System' (OMS) specifications. In addition, parallel transmission also makes it possible for you to switch to AMR readout at any time, without re-configuration of the Q caloric 5.5. As a result you are well prepared for consumption recording at any time of year.

Our Q caloric 5.5 can be operated in existing QUNDIS AMR installations without any changes to the hardware and software of the network components, because we have ensured **downward compatibility** in mixed operations with the predecessor model. For example, the Q caloric 5.5 is compatible with the P2 and P3 mounting panels and with the various algorithms.

The new Q caloric 5.5 heat cost allocator transmits walk-by and AMR telegrams in parallel

Why is QUNDIS committed to OMS?
OMS is the 'Open Metering System', communications architecture for intelligent metering devices across all manufacturers and industries. The OMS standard enables faster data transmission and longer readout intervals, thus making a decisive contribution to the future-compatibility of the QUNDIS products.

Key features

Radio transmission properties (C-Mode)
> doubling of the transmission range in typical buildings from 20 m to 40 m*
> readouts possible 365 days a year
> parallel transmission of walk-by and AMR data telegrams (also in S-Mode)

Integration
> compatible with predecessor model Q caloric 5
> no new kc values required
> no additional installation work
> upgrade to C-Mode possible on site
> no software modification of the network components required for existing QUNDIS AMR systems

Transmission features (C-Mode)	
walk-by	**AMR**
every 112 seconds	every 7.5 minutes
10 hours a day (8.00 - 18.00 hrs)	24 hours a day
365 days a year	365 days a year
latest consumption values, 13 statistical values	up-to-date consumption values

Transmission features (S-Mode)	
walk-by	**AMR**
every 128 seconds	every 4 hours
10 hours a day (8.00 - 18.00 hrs)	24 hours a day
monthly: 4 readout days after the first day of each month	7 days a week
48 days after the scheduled readout date	365 days a year
latest consumption values, 13 statistical values	only data telegrams or statistical and consumption values

* Results calculated in a field test with optimum alignment of aerials and visual contact between the transmitter and receiver (Q caloric 5 or 5.5 and WTZ.MB or Q log as the receiver)